

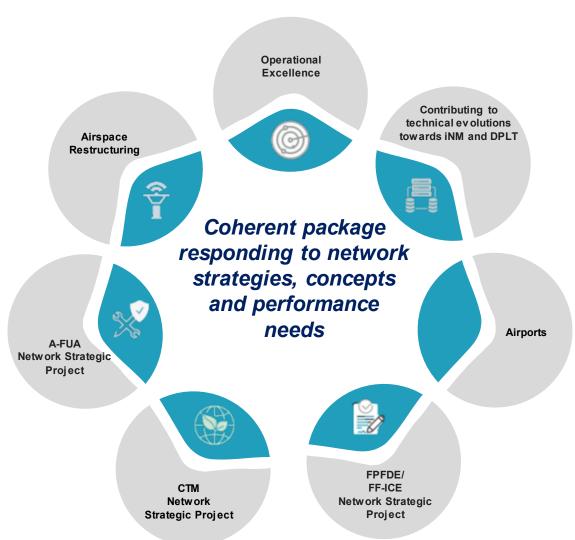






Consolidating Technical and Operational Evolutions







Network Strategic Projects and CP1



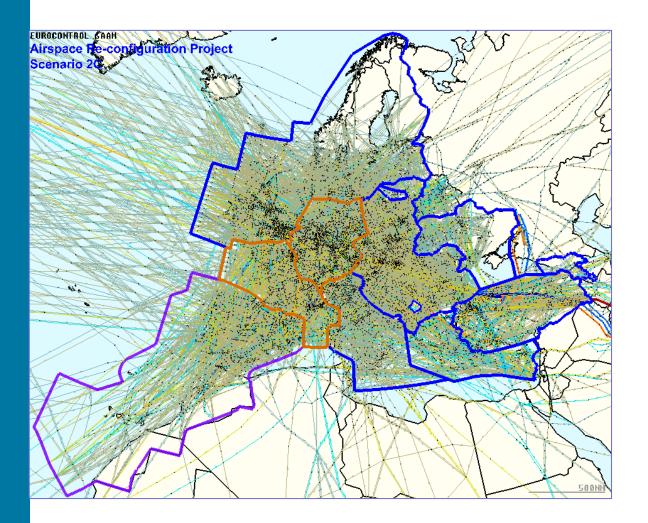
Network Collaborative Management **NM SWIM Infrastructure** Rolling ASM/ATFCM STAM - Phases 1 and 2 Aeronautical Information Exchanges integrated in Real Time ASM data the NM systems Rolling NOP and AOP/NOP Pre-defined airspace configurations FF-ICE R1 Implementation Target Times for ATFCM purposes Free Route Airspace **B2B Evolutions** Traffic Complexity Management Cooperative Network Information Exchange Dynamic RAD Shared Business Trajectory Services AF3 AF4 AF5 **Full CP1 Compliance**



Network Strategic Projects Airspace Restructuring – Free Route Airspace







Network Strategic Projects Airspace Restructuring – Free

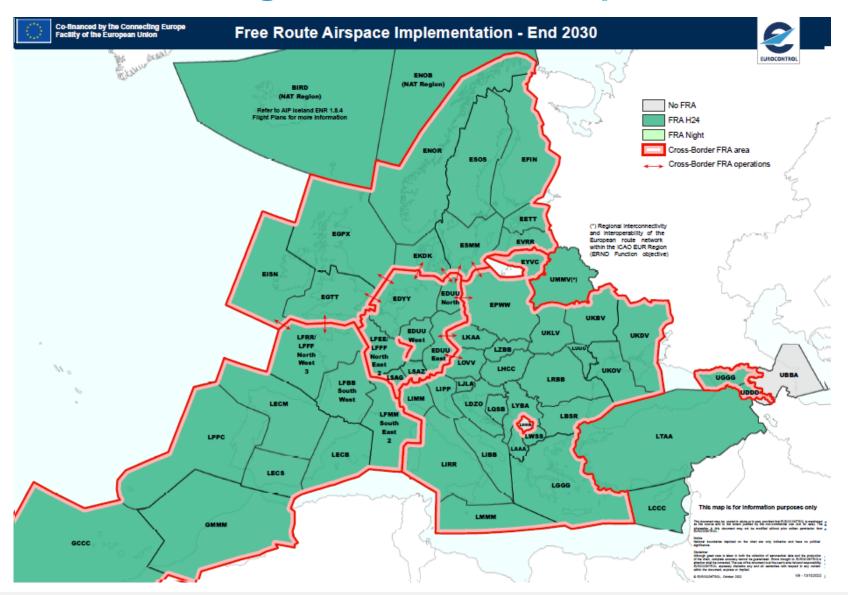


Airspace Restructuring – Free Route Airspace - Benefits



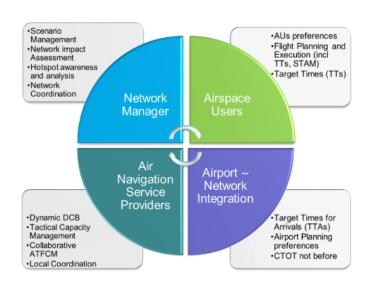
Network Strategic Projects Airspace Restructuring – Free Route Airspace - Benefits

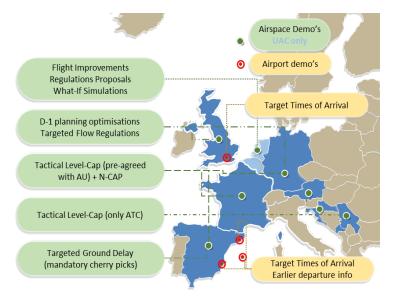


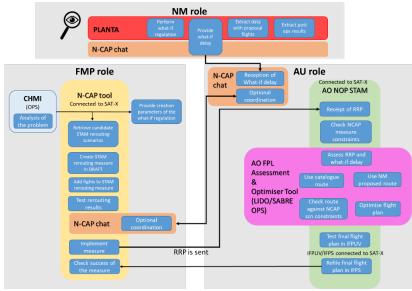


Network Strategic Projects Cooperative Traffic Management - ATFCM



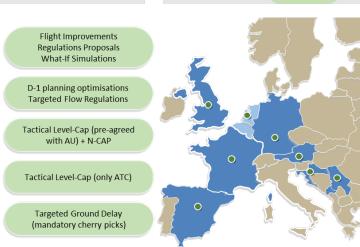












Getting from Good to Excellent Flight efficiency



Making savings through improved flight planning

significant economic and environmental impact





key component in the sustainable growth goal.

The NM flight efficiency - focus on the improvement of the quality of flight planning.

OPTIMUM FLIGHT PLANNING



OPTIMUM (Network) OPERATIONS

Network Strategic Projects Flight Plan and Flight Data Exchange – FF-ICE R1



- Filing, Flight Data Request, Trial Service and Data Publication available on Pre-Ops (via B2B)
 - Growing interest in testing both CFSPs and ANSPs
- NM26 Release highlights
 - Adaptation of NM B2B Interface to FF-ICE Message Library
 - Notification Service (ARR, DEP)
 - eFPL distribution via Data Publication supported by Pub/Sub
 - Includes weight and performance profile (FSPD) for ANSPs
 - Significant improvement NM 4DT Agreed Trajectory
 - Further preparation for initial operational deployment
 - E.g. Pub/Sub, Filing Status update (re-evaluation) and/or Submission Response (in case of initial MAN)
- NM27 Release highlights (currently under refinement)
 - NM to support provision of a valid proposal in response to a Trial Request and during re-evaluation
 - Support provision of EET as part of the 4D trajectory
 - Within route/trajectory elements
 - Constraints provision in the NM feedback
 - Improved indication of the impact and reference to constraint



Network Strategic Projects Advanced Flexible Use of Airspace



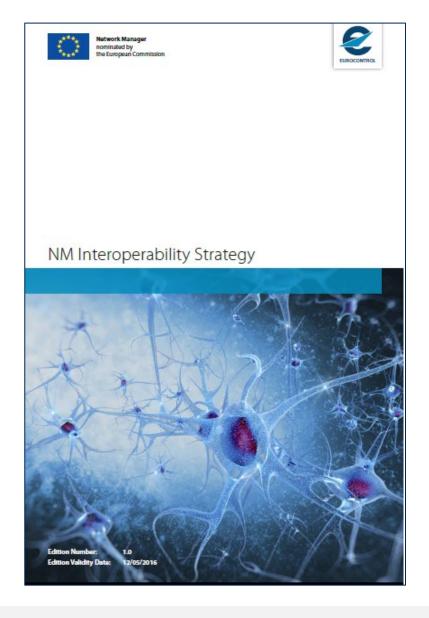




NM RELEASES 25.0, 26.0, 27.0

Network Interoperability Strategy





Interoperability Strategy SWIM Compliance

NM as **provider** of:

- Flight Management

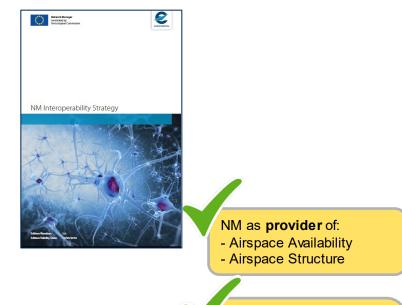
- ATFCM Tactical Updates

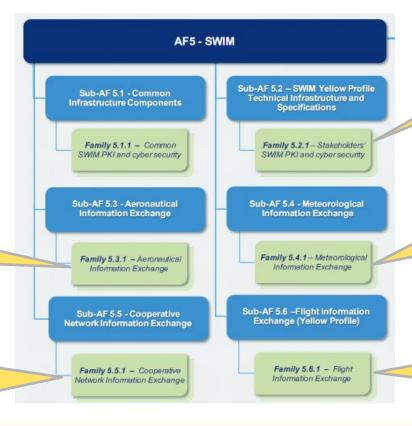
- Measures

- MCDM

- Counts







NM has an implementation of a local PKI and cyber security processes

NM as **consumer** of NM Meteo Info

- En-Route and Approach Meteo Info
- Aerodrome Meteo Info
- Volcanic ash mass concentration

NM as provider of:

- Filing and Trial
- Data Publication
- Notification X -> May/22
- Flight Data Request
- Departure Planning Info
- Flight Update publication



All provided services **are conformant** with the EUROCONTROL Specifications for SWIM, **are operational** and **are published** in the European SWIM Registry



SUPPORTING EUROPEAN AVIATION

